

[54] CIRCUIT FOR ACTUATING A DISPLAY WITH AN IMPROVED COMPARATOR

[75] Inventors: Masayuki Miki; Nobuaki Miyakawa, both of Ibaraki, Japan

[73] Assignee: Hitachi, Ltd., Japan

[21] Appl. No.: 768,346

[22] Filed: Feb. 14, 1977

[30] Foreign Application Priority Data

Feb. 20, 1976 [JP] Japan 51-17052

[51] Int. Cl.² G01D 7/00

[52] U.S. Cl. 340/753; 307/361; 328/148; 324/96; 340/172; 340/803

[58] Field of Search 340/324 R, 324 M, 378 R, 340/172; 324/96, 122; 307/360, 361; 328/148

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Primary Examiner—David L. Trafton
Attorney, Agent, or Firm—Craig & Antonelli

[57]

ABSTRACT

In a display circuit for actuating a display having plural liquid crystal segments or luminescent diodes, an improved comparator is provided for determining the number of the display segments to be energized and activated in accordance with an analogue input voltage. The analogue input voltage is applied to one terminal of a resistance having plural resistors connected in series, the other terminal of which is grounded. The comparator is composed of an integrated circuit of MOS type which has plural logical circuits. Each of one input terminals of the logical circuits is connected to a corresponding one of junctions of the resistors connected in series. Each logical circuit of the comparator provides "1" output signal when the voltage at the corresponding junction exceeds a threshold value thereof. An actuator, which is constructed with exclusive OR gates or transistors, energizes the liquid crystal segments or the luminescent diodes in response to the "1" output signals from the comparator.

4 Claims, 16 Drawing Figures

